

FIG. 1

FIG. 2

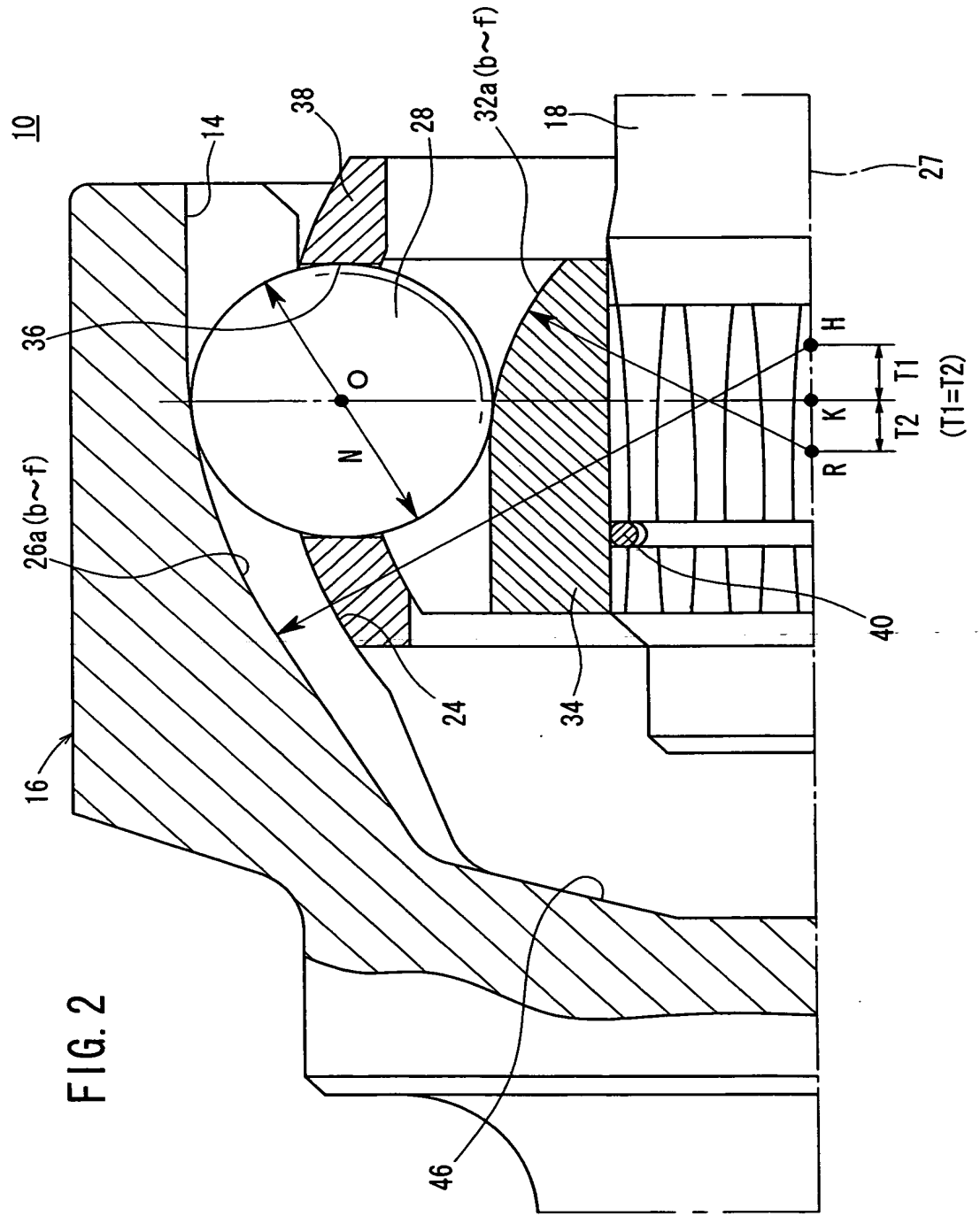
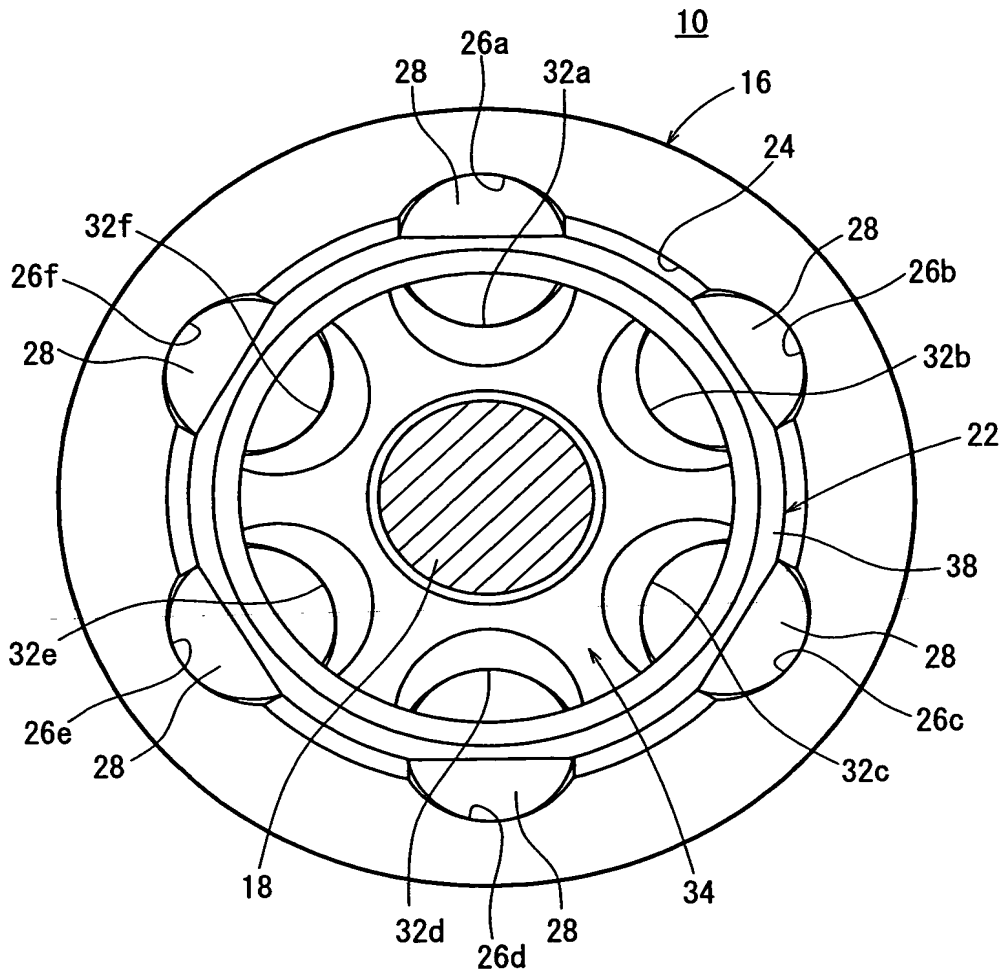
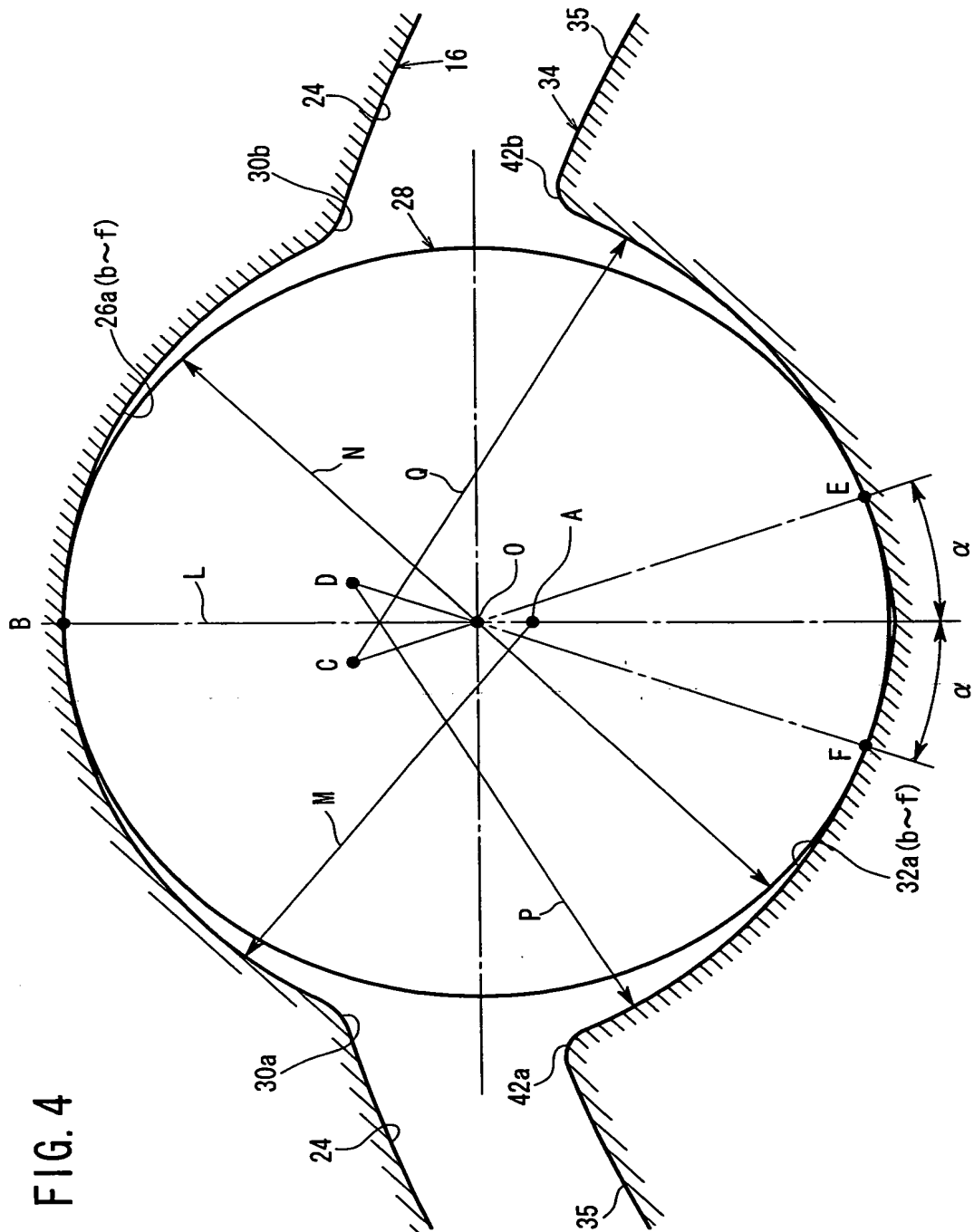
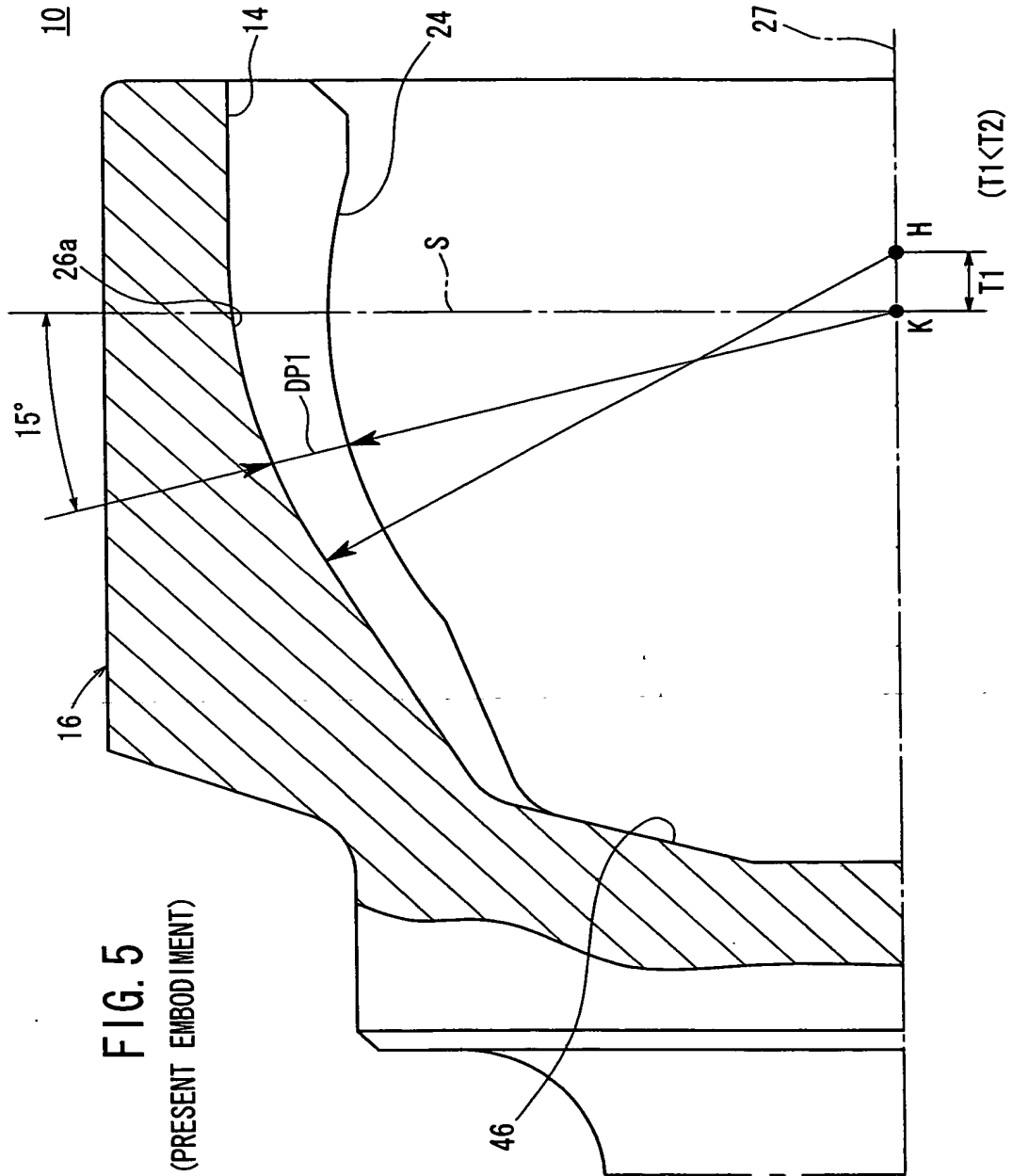


FIG. 3







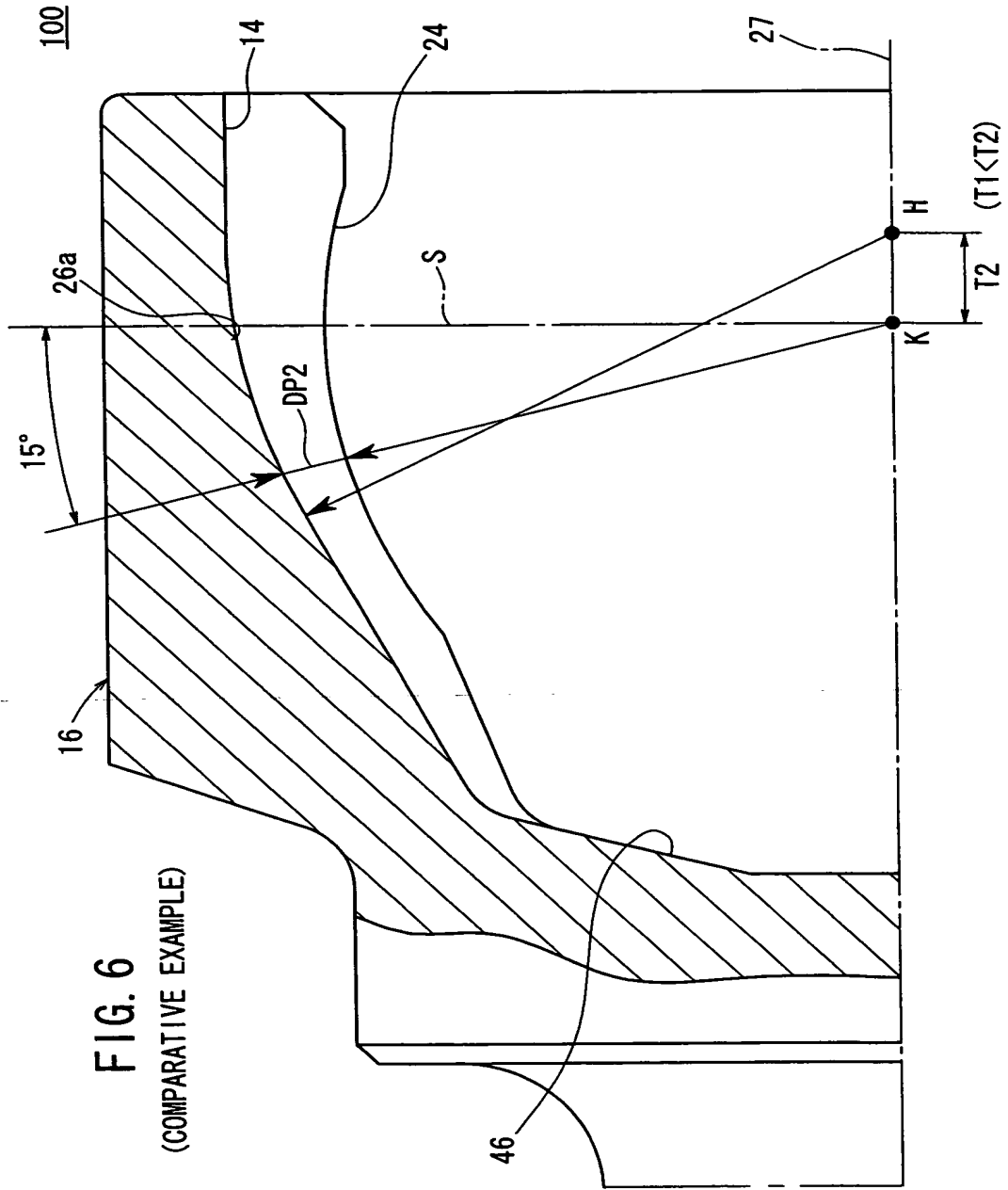


FIG. 7

CONTACT ANGLE(α)	11	12	13	14	15	16	17	18	19	20	21	22	23	24
DURABILITY	x	x	O	O	⊙	⊙	⊙	⊙	⊙	⊙	O	O	x	x

⊙ VERY GOOD

O GOOD

x POOR

FIG. 8A

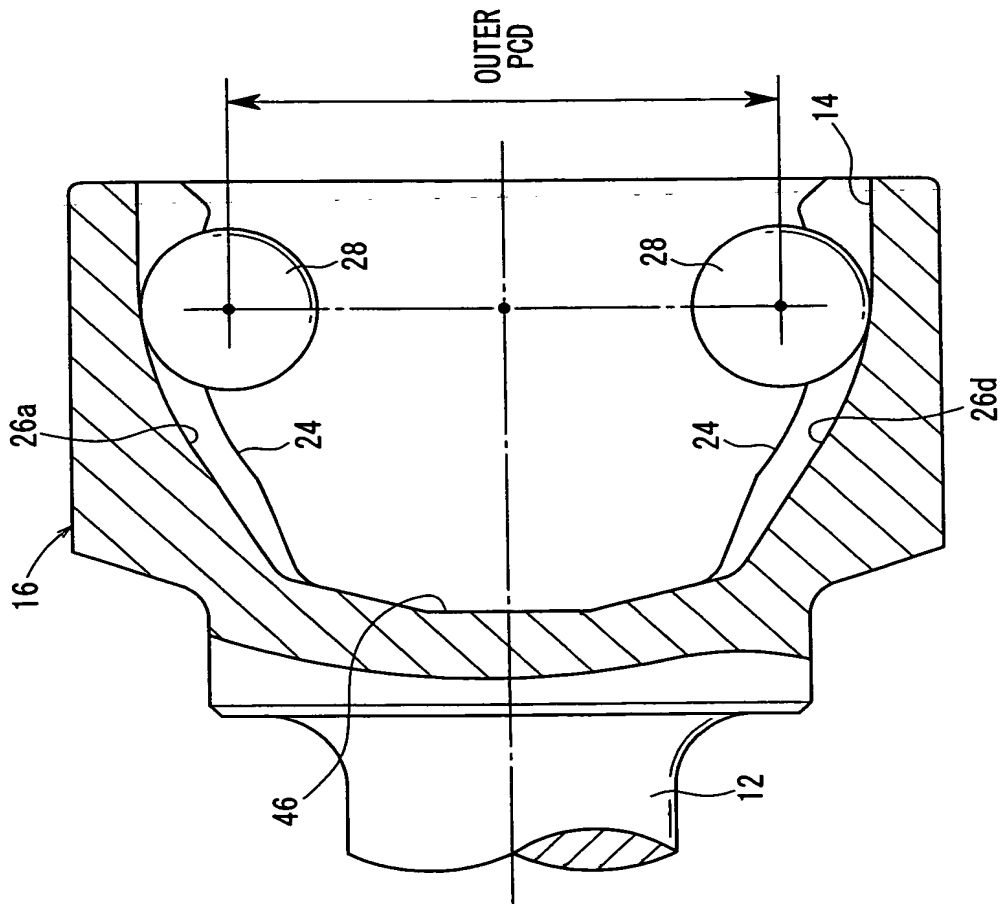


FIG. 8B

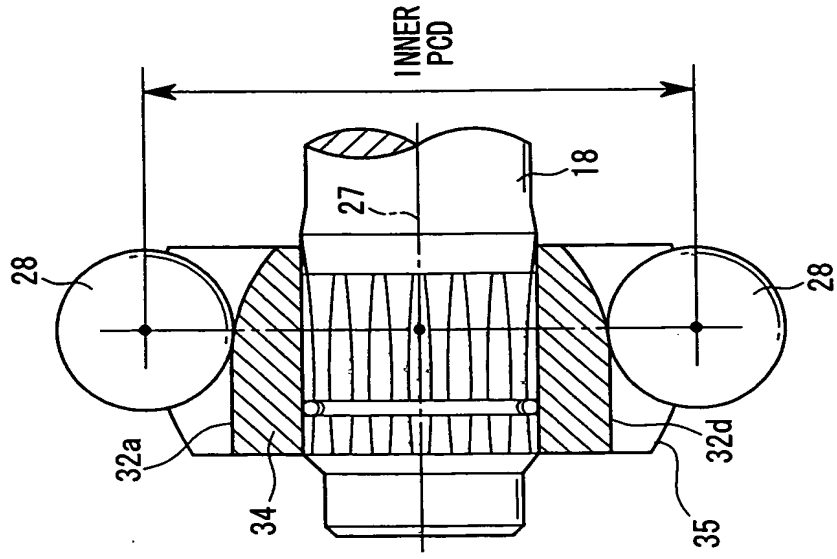


FIG. 9A

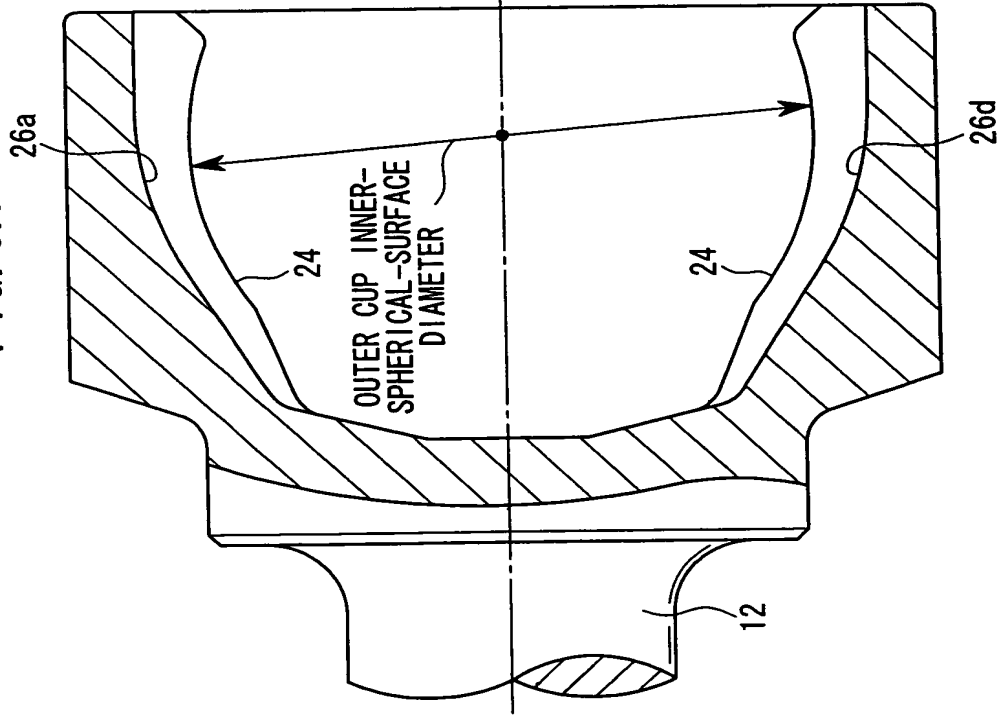


FIG. 9B

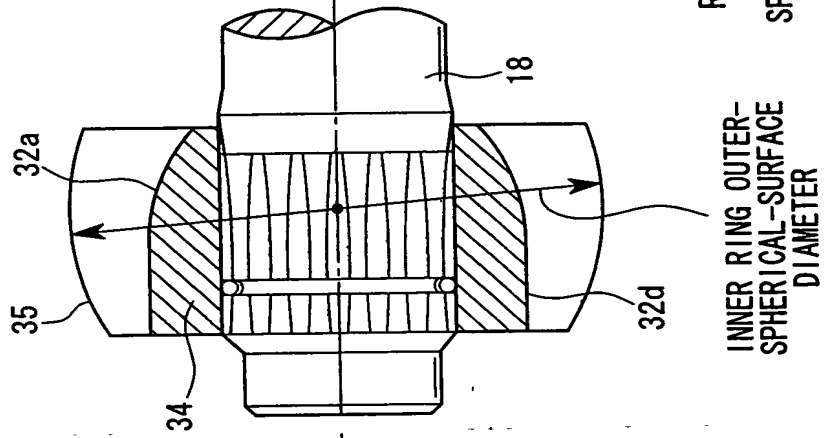


FIG. 9C

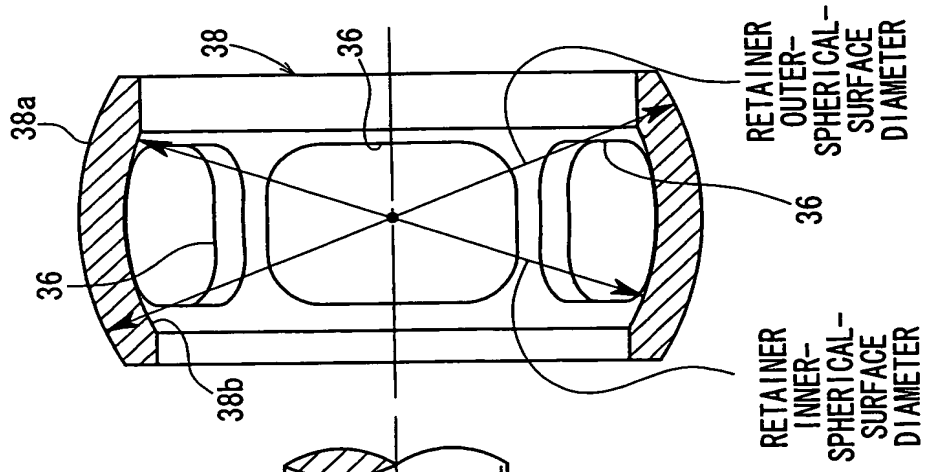


FIG. 10

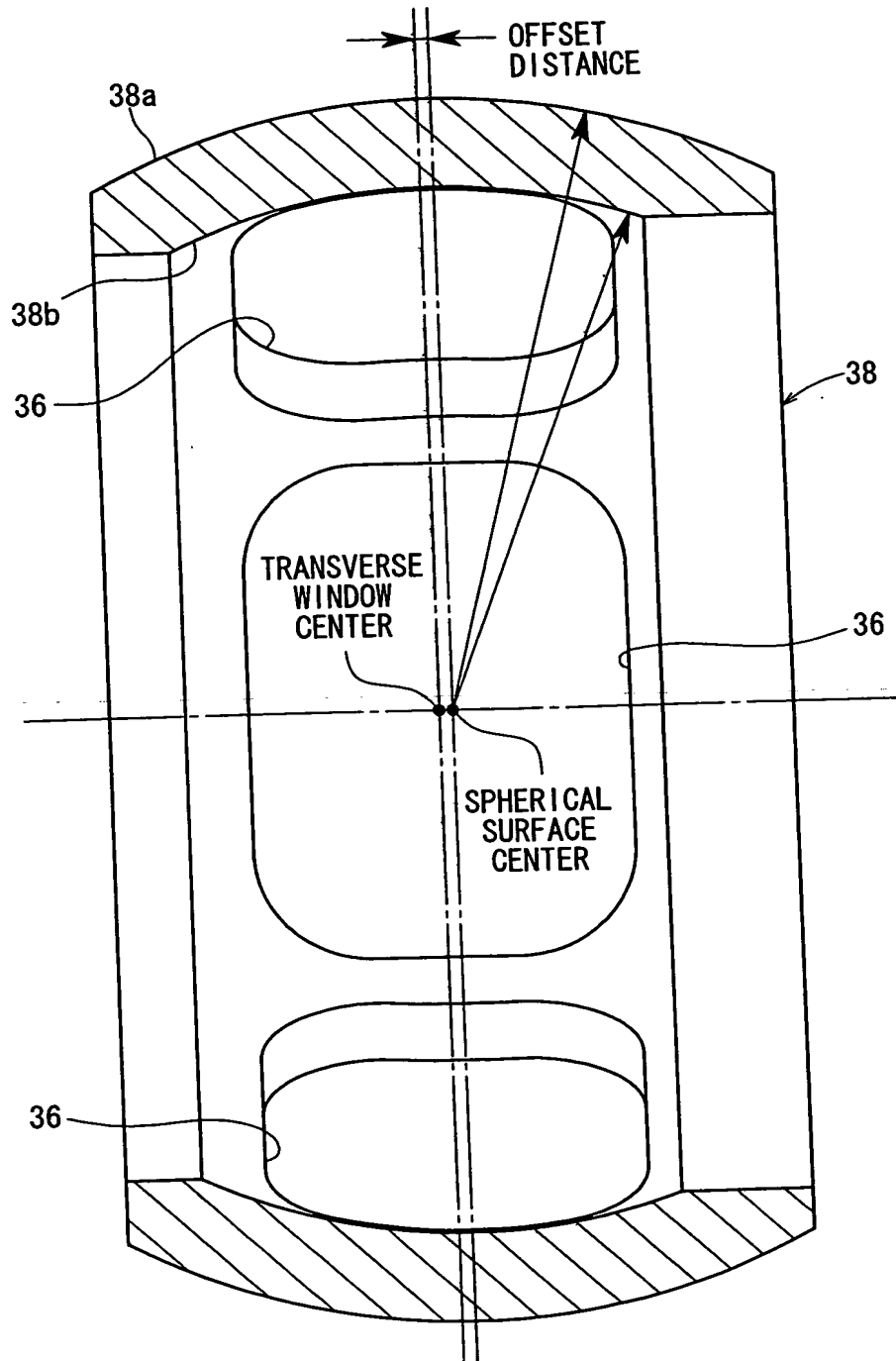


FIG. 11

UNIT: μm

PCD CLEARENCE	0	20	40	60	80	100	120	140
DURABILITY	◎	◎	◎	◎	○	○	x	x

◎ VERY GOOD
○ GOOD
x POOR

FIG. 12

UNIT: μm

SPHERICAL CLERANCE	0	25	50	75	100	125	150	175	200	225	250
DURABILITY	x	x	⊙	⊙	⊙	⊙	⊙	○	○	x	x

⊙ VERY GOOD
 ○ GOOD
 x POOR

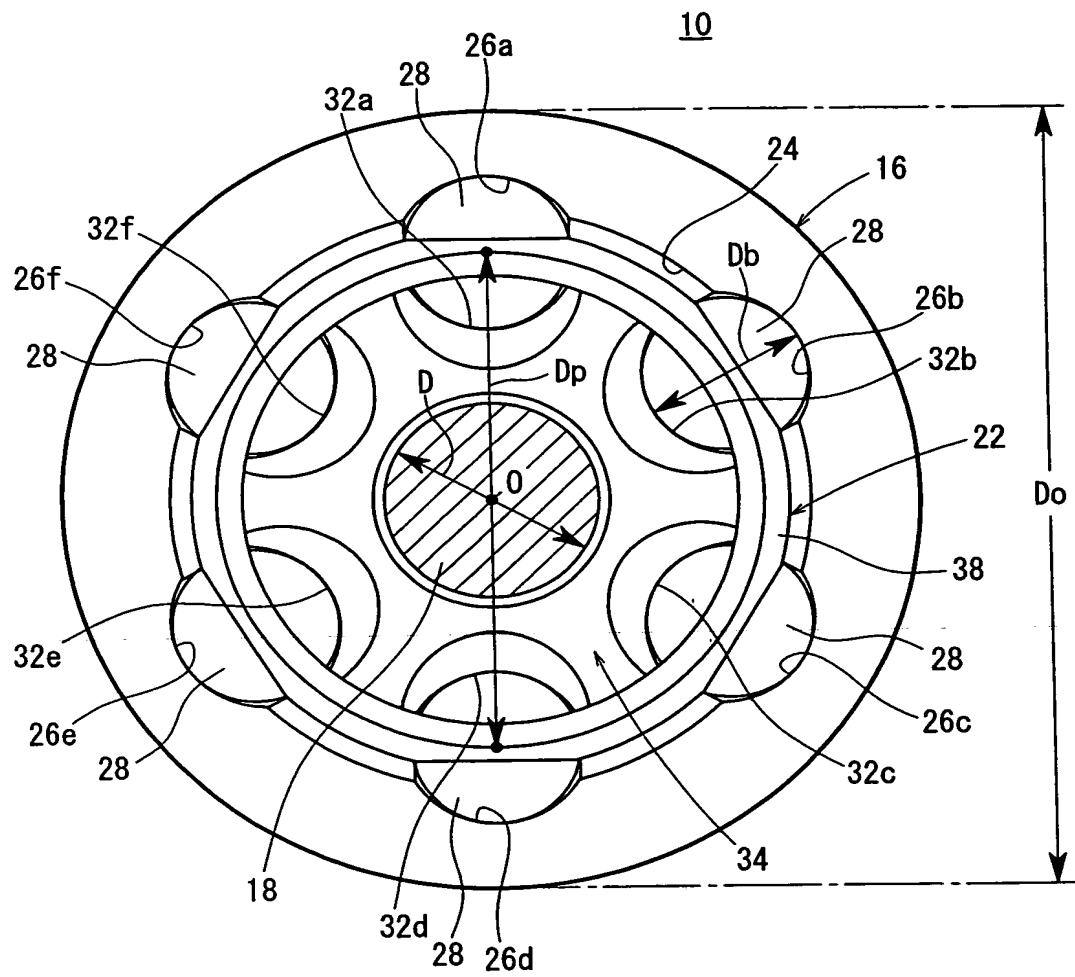
FIG. 13

UNIT: μm

WINDOW OFFSET	-40	-20	0	20	40	60	80	100	120	140
DURABILITY	x	x	x	O	⊙	⊙	⊙	O	x	x

- ⊙ VERY GOOD
- O GOOD
- x POOR

FIG. 14



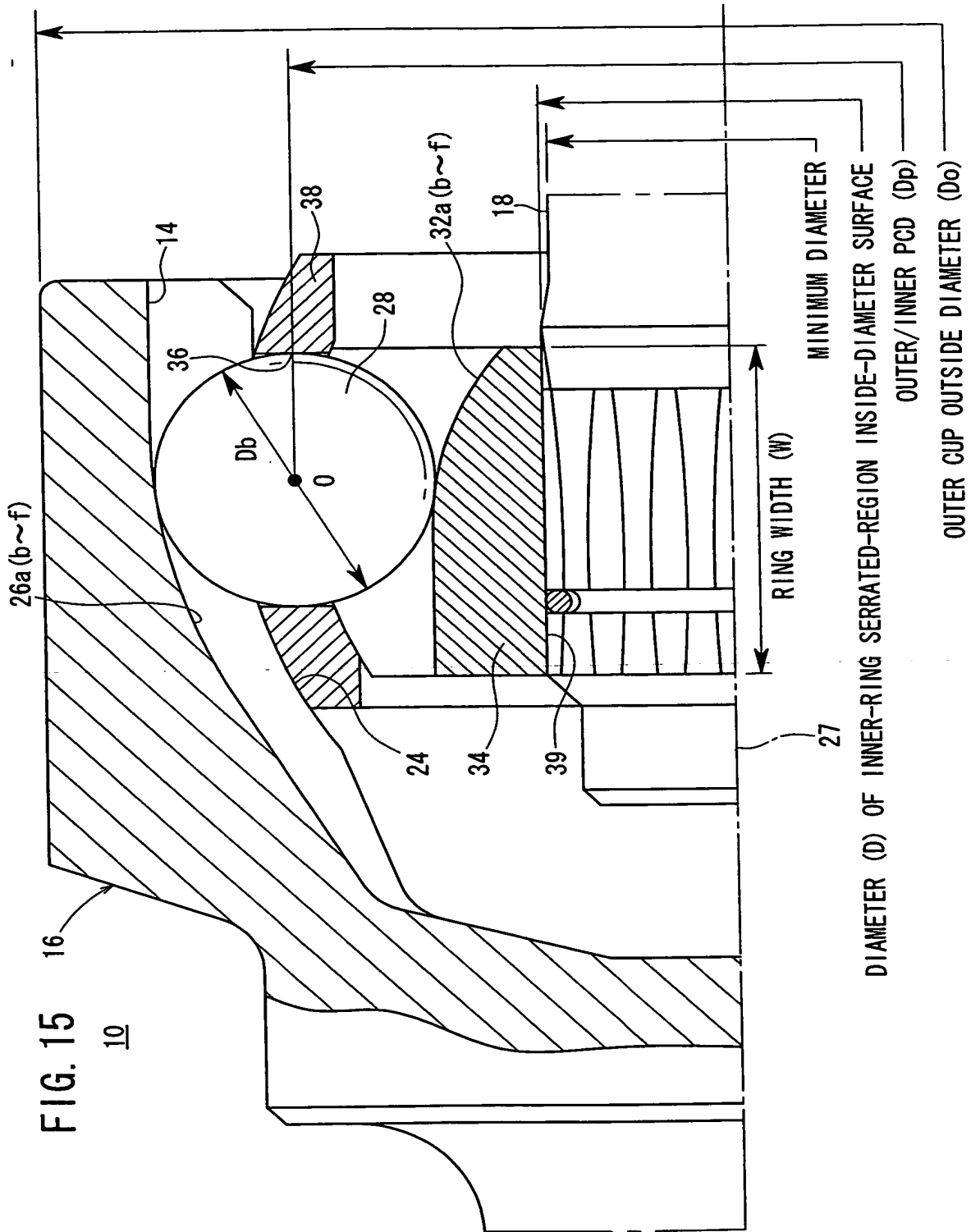


FIG. 16

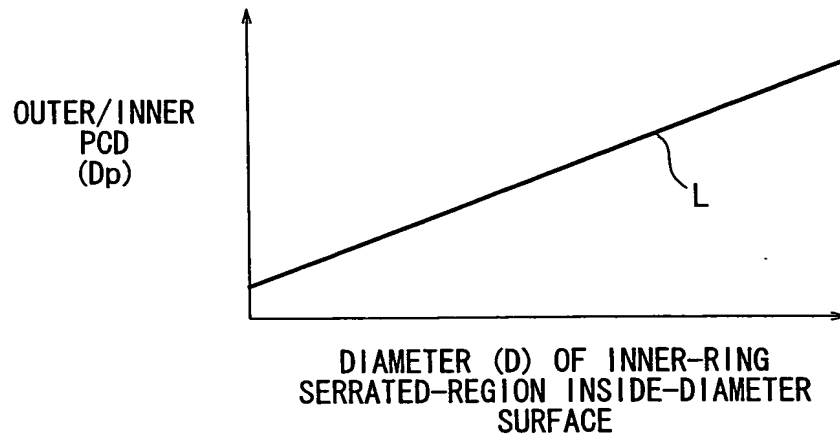


FIG. 17

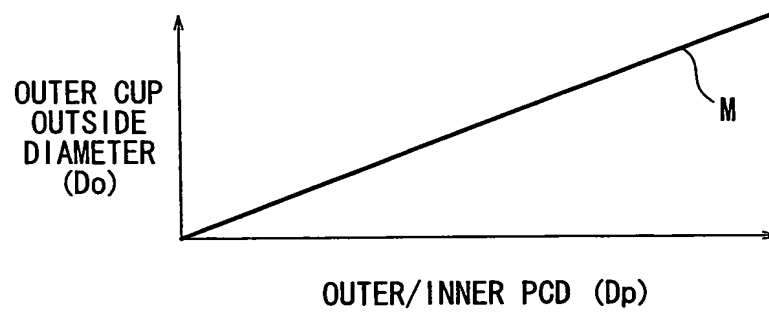


FIG. 18

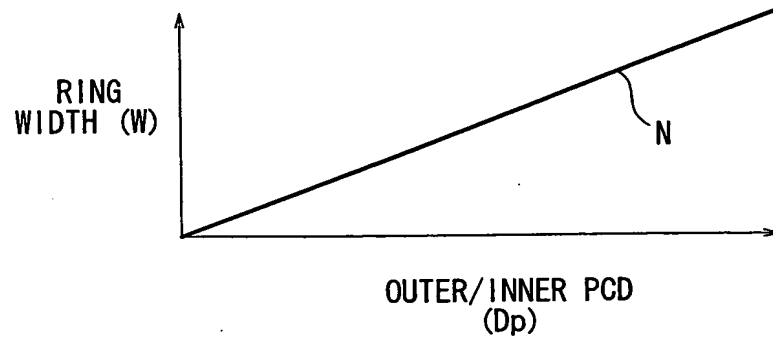
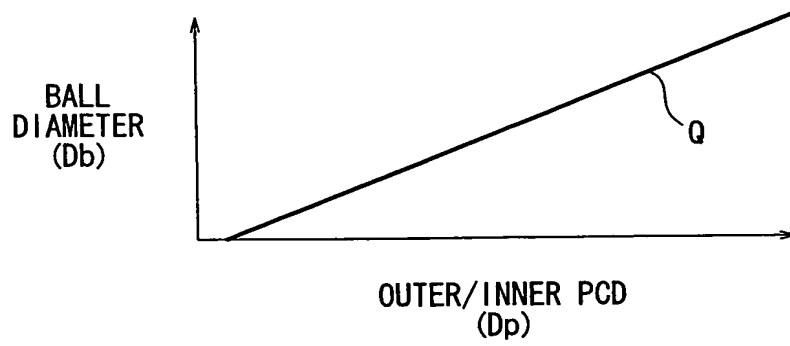


FIG. 19



10

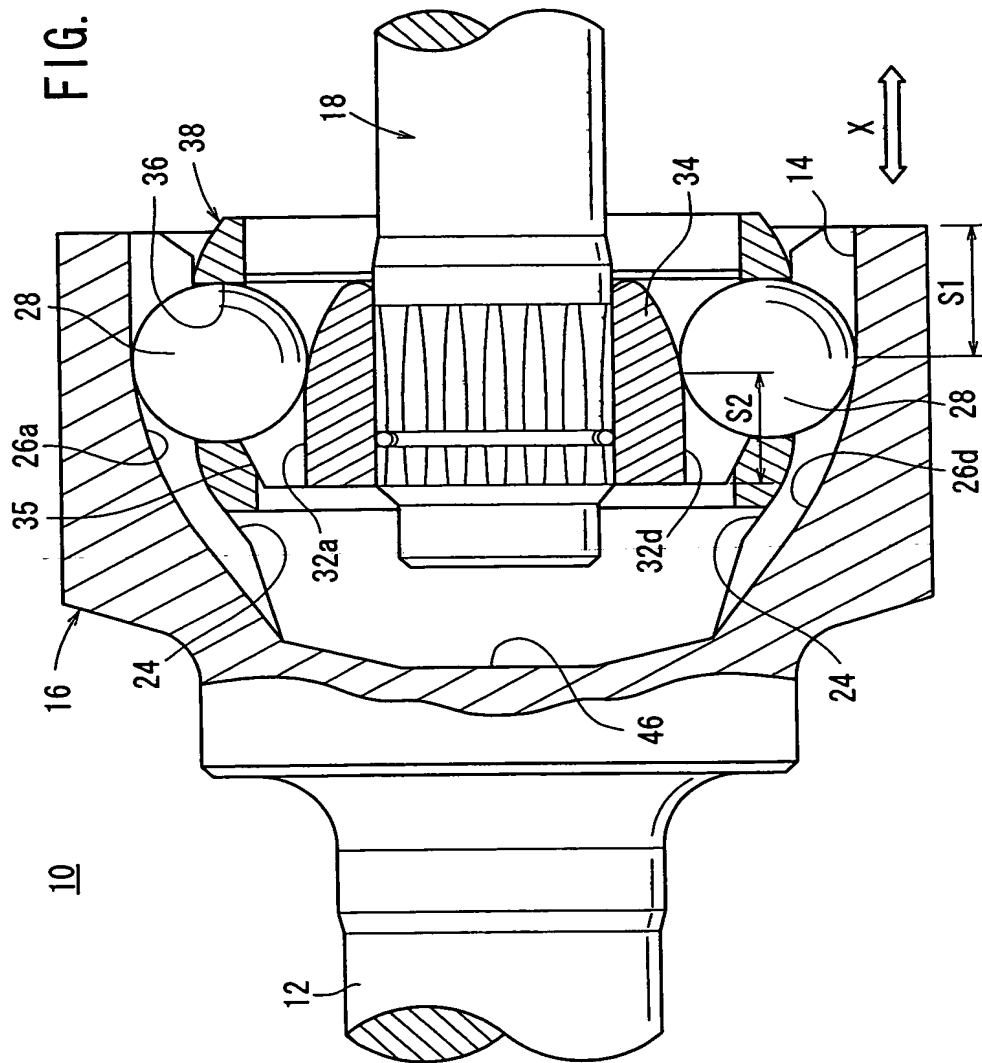


FIG. 21

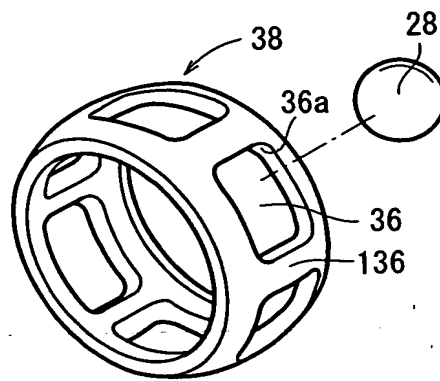


FIG. 22

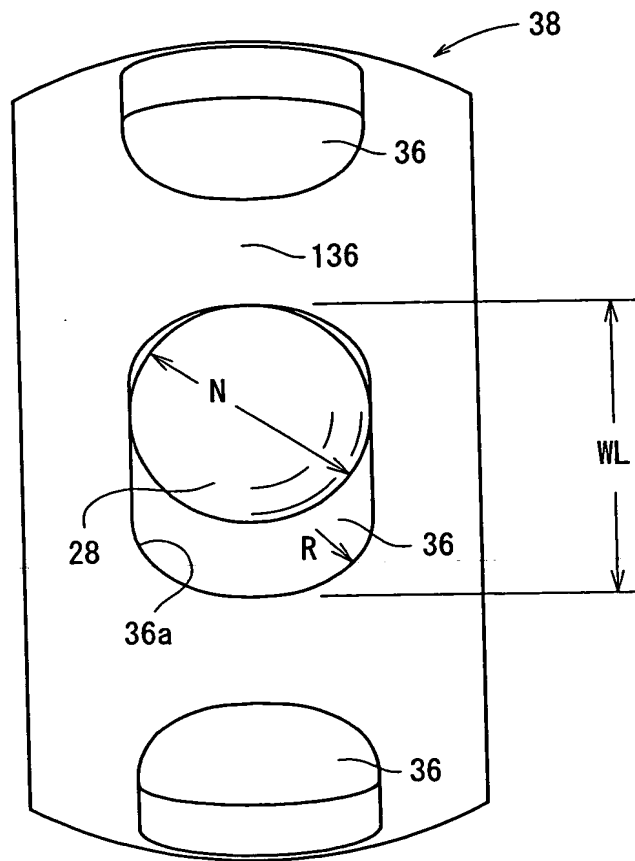


FIG. 23

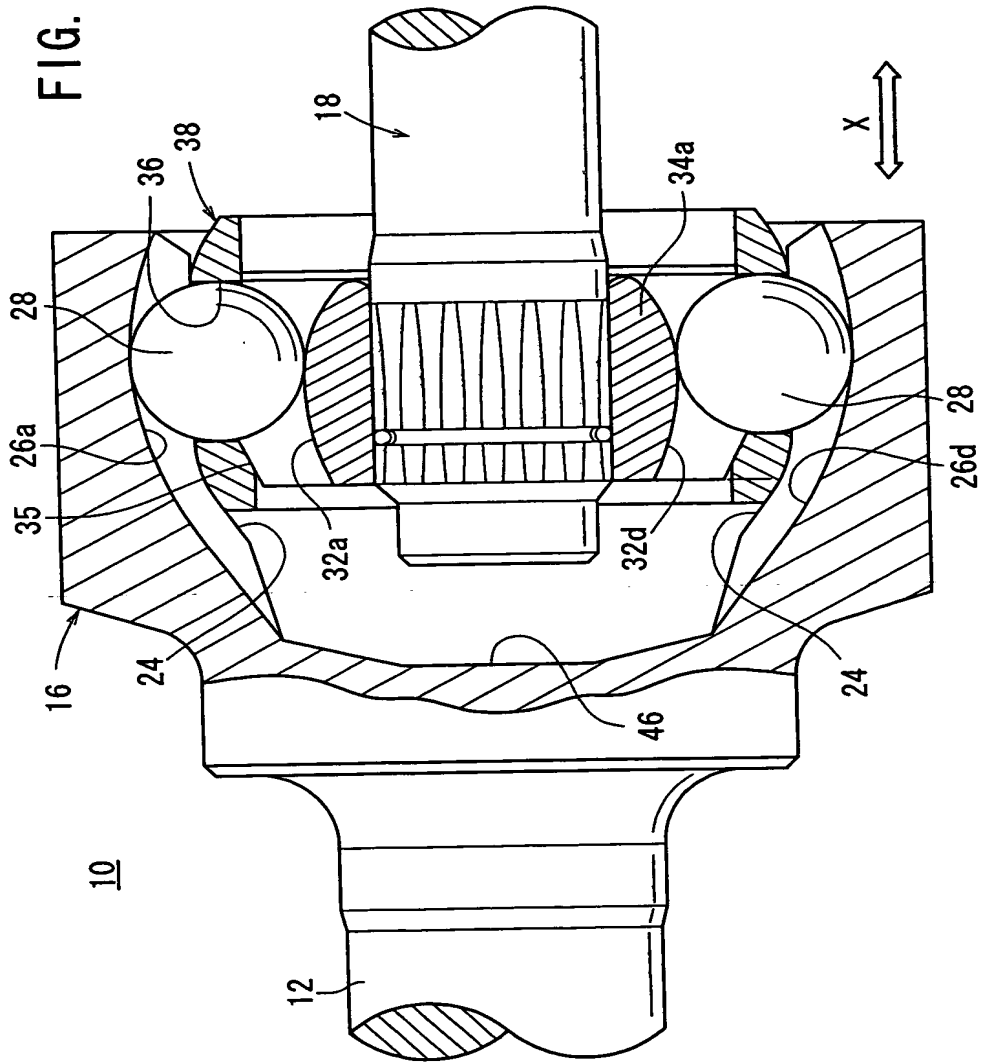


FIG. 24

